

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P846294

Luminaire Tested: **GLAN-SB1D-835-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846294  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1D-835-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3500K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8338 lumens  
Efficiency: N/A  
Efficacy: 104.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

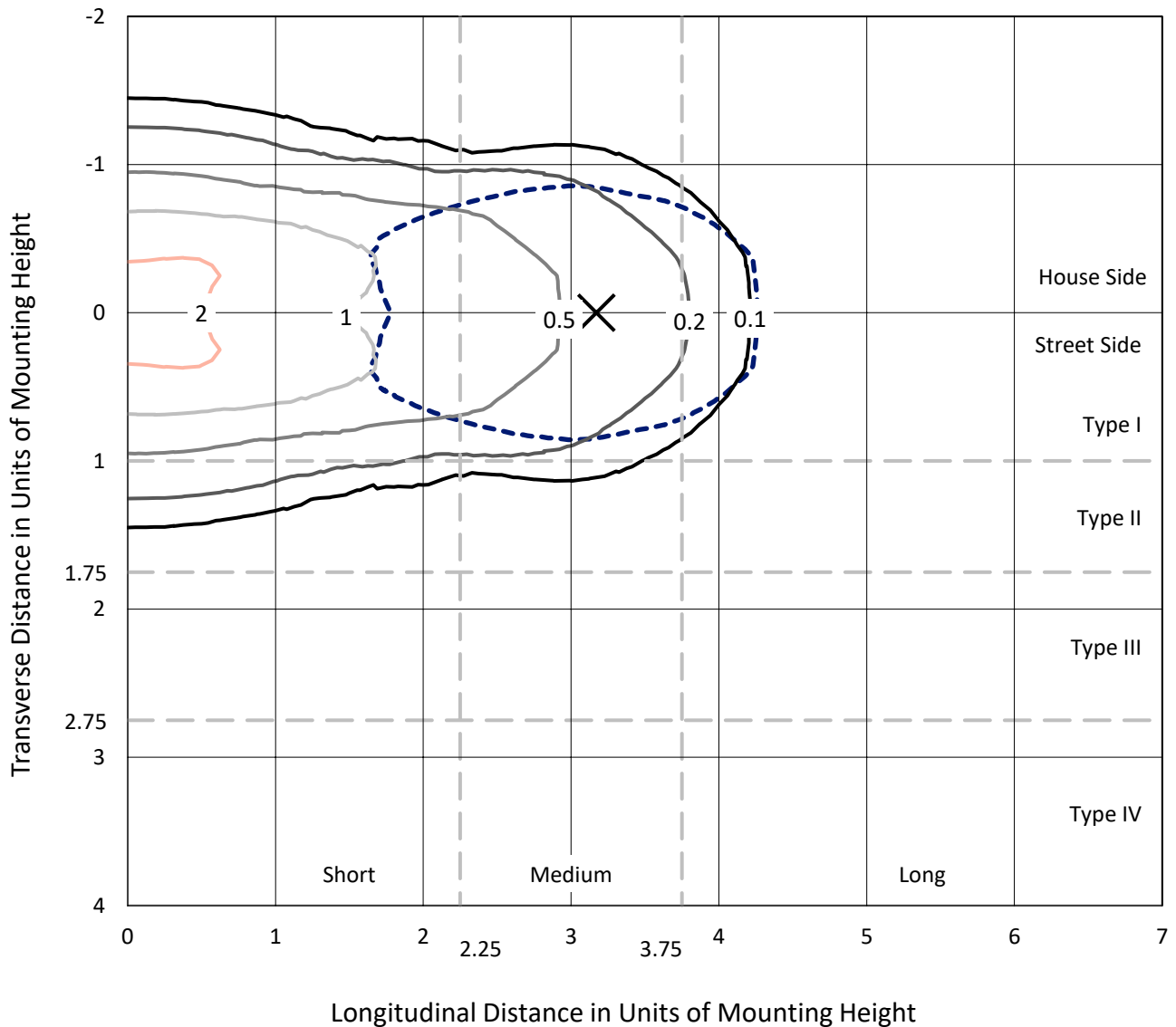
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

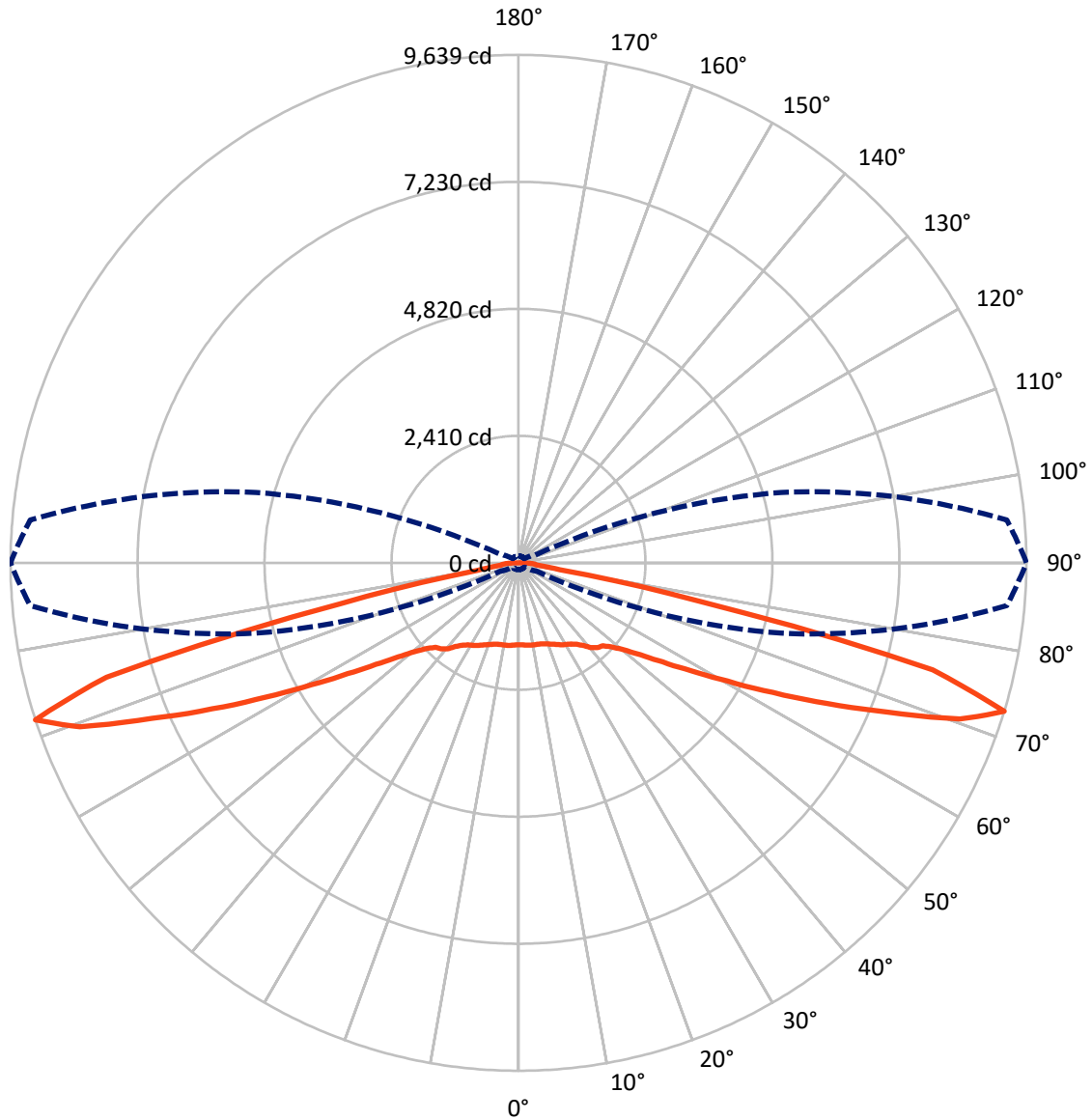
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4169.0	0.0	4169.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4169.0	0.0	4169.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8338.0	0.0	8338.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.1	1.8
10°-20°	461.9	5.5
20°-30°	770.2	9.2
30°-40°	1059.3	12.7
40°-50°	1293.7	15.5
50°-60°	1496.2	17.9
60°-70°	1784.0	21.4
70°-80°	1245.1	14.9
80°-90°	76.5	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8338.0	100.0
0°-180°	8338.0	100.0

**Coefficient of Utilization**



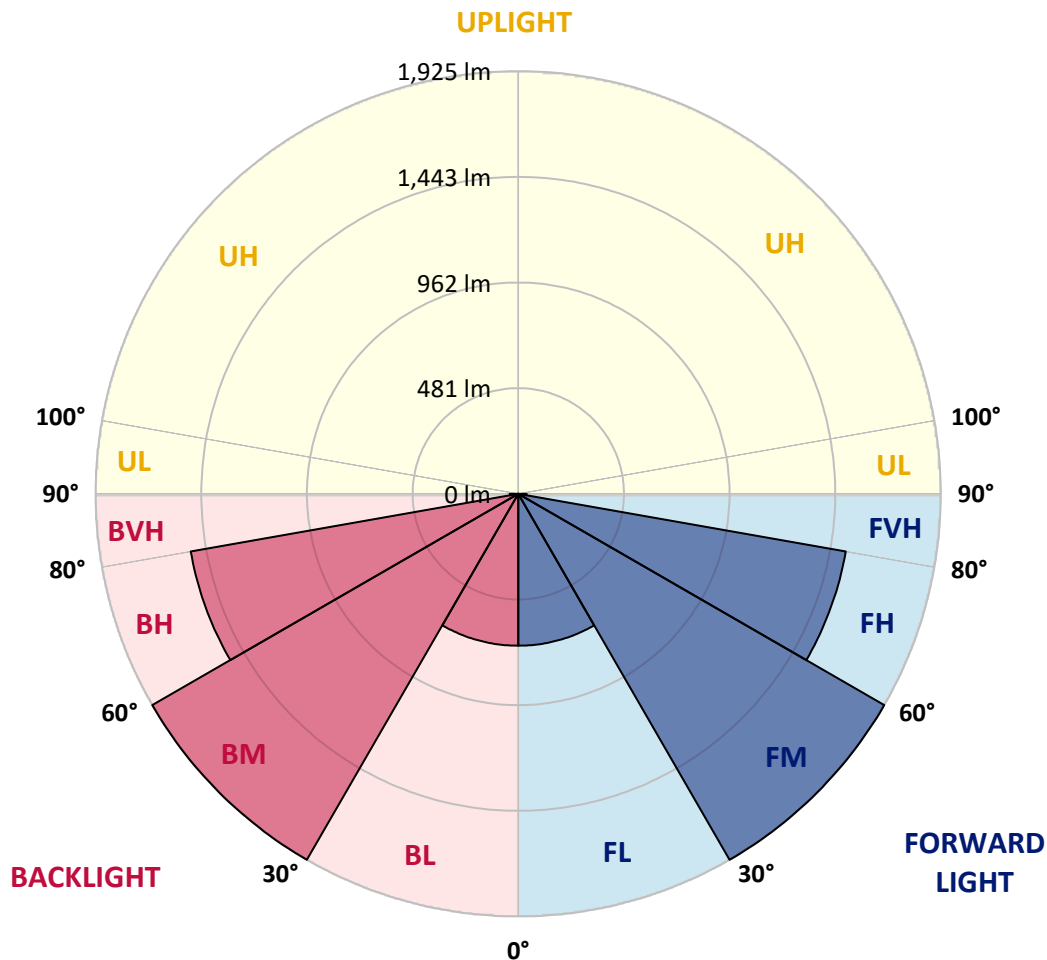
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	691.6	8.3			
FM (30°-60°)	1924.6	23.1			
FH (60°-80°)	1514.6	18.2			G1/1800
FVH (80°-90°)	38.2	0.5			G1/100
BL (0°-30°)	691.6	8.3	B2/1000		
BM (30°-60°)	1924.6	23.1	B2/2500		
BH (60°-80°)	1514.6	18.2	B3/2500		G3/2500
BVH (80°-90°)	38.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1558.0	1558.0	1558.0	1558.0	1558.0	1558.0	1558.0	1558.0	1558.0	1558.0
2.5°	1559.4	1561.1	1561.1	1559.8	1562.9	1560.3	1560.3	1558.9	1560.3	1558.9
5°	1567.3	1569.6	1570.5	1570.0	1574.0	1571.8	1571.8	1570.0	1570.5	1569.1
7.5°	1582.4	1585.5	1587.3	1589.5	1595.3	1592.6	1590.8	1585.5	1583.3	1579.8
10°	1587.3	1590.8	1596.6	1608.1	1621.4	1621.9	1616.5	1603.2	1593.1	1585.1
12.5°	1572.2	1577.1	1589.1	1612.5	1642.2	1654.2	1645.8	1623.6	1603.7	1589.5
15°	1553.2	1558.5	1576.7	1612.1	1656.0	1683.9	1683.0	1653.8	1621.9	1599.7
17.5°	1523.5	1528.8	1554.9	1604.6	1666.6	1712.7	1725.1	1695.0	1650.2	1620.5
20°	1469.9	1474.7	1511.1	1580.6	1670.2	1743.3	1775.6	1749.0	1693.2	1652.9
22.5°	1400.3	1407.8	1450.4	1539.4	1661.7	1775.2	1833.2	1815.1	1743.3	1687.4
25°	1325.8	1333.8	1383.5	1488.9	1640.0	1798.2	1901.5	1889.9	1800.0	1730.4
27.5°	1261.6	1270.0	1324.1	1438.8	1606.3	1807.1	1968.8	1974.6	1868.7	1777.8
30°	1211.1	1219.0	1276.7	1398.5	1562.9	1798.2	2027.8	2067.6	1938.7	1819.0
32.5°	1155.7	1165.9	1226.6	1349.3	1511.5	1776.9	2079.2	2168.2	2019.8	1863.4
35°	1085.7	1095.0	1158.8	1282.0	1444.2	1742.8	2122.1	2279.9	2135.9	1930.7
37.5°	1000.6	1009.4	1072.8	1197.8	1377.2	1695.0	2154.9	2405.8	2274.1	2027.8
40°	915.1	923.5	982.9	1103.8	1297.0	1633.8	2166.5	2528.9	2432.8	2161.1
42.5°	836.6	844.2	898.7	1011.2	1207.1	1555.8	2151.4	2636.2	2575.0	2254.2
45°	764.4	771.0	819.3	924.4	1113.6	1461.0	2106.2	2751.4	2744.3	2320.7
47.5°	682.0	688.6	738.7	840.2	1020.1	1349.8	2029.5	2864.8	2979.6	2471.3
50°	581.4	587.1	638.5	743.1	923.0	1231.5	1923.2	2953.9	3276.5	2699.5
52.5°	462.2	468.4	518.5	623.0	807.8	1104.3	1783.2	3012.0	3619.5	3032.8
55°	343.9	348.3	391.7	485.7	665.1	959.4	1607.7	3028.3	4008.5	3488.3
57.5°	249.5	252.1	280.1	350.1	504.3	778.1	1394.5	2985.8	4471.6	4072.4
60°	202.1	203.0	211.4	242.4	350.5	573.4	1137.1	2839.6	4974.1	4825.2
62.5°	183.5	183.5	185.7	194.1	237.1	378.4	825.6	2536.5	5513.0	5776.6
65°	170.6	170.6	171.5	175.5	187.0	241.1	521.1	2042.8	5967.2	6891.1
67.5°	159.1	159.5	159.1	160.4	167.1	178.1	302.2	1410.9	6211.8	8045.9
70°	147.1	148.0	145.8	145.8	151.1	151.6	189.2	773.7	6008.8	9013.7
72.5°	132.9	134.3	130.7	129.8	133.8	132.1	142.2	371.3	5158.9	9302.6
75°	120.5	122.3	114.3	112.1	112.1	110.8	115.7	190.5	3348.3	7588.6
77.5°	109.5	113.0	100.1	93.1	91.3	87.3	94.4	116.5	1464.5	3562.8
80°	90.4	95.3	82.4	74.0	70.9	66.5	74.4	81.5	435.6	827.3
82.5°	67.4	69.6	58.5	52.7	50.1	47.0	55.8	56.7	141.8	292.9
85°	43.0	43.9	35.9	31.0	29.7	28.4	35.5	31.0	54.1	215.4
87.5°	15.1	17.3	13.7	12.4	13.3	11.1	16.4	9.3	15.1	152.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1558.0  
1558.9  
1569.1  
1579.8  
1583.7  
1587.3  
1596.2  
1615.7  
1645.3  
1677.2  
1716.2  
1762.8  
1797.3  
1835.9  
1900.1  
1987.0  
2117.7  
2198.4  
2245.3  
2384.5  
2590.5  
2898.5  
3320.4  
3861.0  
4558.9  
5419.9  
6440.0  
7558.9  
8885.6  
9639.4  
8116.8  
3488.8  
792.3  
331.0  
312.8  
188.3  
0.0

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